

## WHAT IS CLAIMED IS:

1. A moving image processing method, comprising:

a first generation step of generating division information required to divide a moving image on the basis of each of a plurality of items of data which indicate states upon sensing the moving image;

a registration step of registering the division information, which is generated in the first generation step and corresponds to each of the plurality of items, in correspondence with the moving image data, so as to be able to be read out for each item; and

a second generation step of integrating one or a plurality of pieces of division information corresponding to one or a plurality of items selected from the plurality of items and generating integrated division information corresponding to a combination of the items.

2. The method according to claim 1, further comprising a holding step of holding a plurality of pieces of integrated division information, which are generated in correspondence with a plurality of combinations of different types of items in the second generation step, in correspondence with identification information used to identify the combinations.

3. A moving image processing method for processing moving image data for which a plurality of pieces of division information required to divide a moving image

on the basis of each of a plurality of items of data which indicate states upon sensing the moving image, so as to be able to be read out for each item, comprising:

a first generation step of defining an item group  
5 formed of one or a plurality of items selected from the plurality of items, and generating integrated division information corresponding to the item group by integrating one or a plurality of pieces of division information corresponding to the items which belong to  
10 the item group; and

a holding step of holding a plurality of pieces of integrated division information, which are generated in the first generation step for a plurality of different item groups, in correspondence with the  
15 moving image data.

4. The method according to claim 3, further comprising a recording step of recording the integrated division information on a recording medium in correspondence with the moving image data.

20 5. The method according to claim 3, further comprising a registration step of registering representative images which represent respective intervals obtained upon dividing the moving image data based on integrated division information corresponding  
25 to each of the plurality of different item groups.

6. The method according to claim 5, further comprising:

a designation step of designating a desired item group of the plurality of different item groups; and

a display step of displaying the representative images registered in correspondence with the item group  
5 designated in the designation step.

7. The method according to claim 6, further comprising an execution step of executing a predetermined process for an interval of moving image data which is designated using a representative image  
10 displayed in the display step and corresponds to that representative image.

8. The method according to claim 3, wherein the item group includes one of an environment upon sensing an image, a sensed subject, a subject size upon sensing an  
15 image, and an effect applied to a moving image.

9. A moving image processing apparatus comprising:  
first generation unit adapted to generate  
division information required to divide a moving image  
on the basis of each of a plurality of items of data  
20 which indicate states upon sensing the moving image;

registration unit adapted to register the  
division information, which is generated by said first  
generation unit and corresponds to each of the  
plurality of items, in correspondence with the moving  
25 image data, so as to be able to be read out for each  
item; and

second generation unit adapted to integrate one or a plurality of pieces of division information corresponding to one or a plurality of items selected from the plurality of items and generating integrated  
5 division information corresponding to a combination of the items.

10. A computer readable recording medium recording a control program which makes a computer execute a moving image processing method of claim 1.

10 11. A control program for making a computer execute a moving image processing method of claim 1.

12. A moving image processing method for processing moving image data for which a plurality of pieces of division information required to divide a moving image  
15 on the basis of each of a plurality of items of data which indicate states upon sensing the moving image, so as to be able to be read out for each item, comprising:

a generation step of defining an item group formed of one or a plurality of items selected from the  
20 plurality of items, and generating integrated division information corresponding to the item group by integrating one or a plurality of pieces of division information corresponding to the items which belong to the item group;

25 a hierarchization step of adding division positions based on integrated division information of an upper layer to division positions of integrated

division information of a lower layer in accordance with a hierarchical order of a plurality of pieces of integrated division information, which are generated in the generation step in correspondence with a plurality  
5 of different item groups; and

a holding step of holding the integrated division information obtained in the hierarchization step in correspondence with the moving image data.

13. The method according to claim 12, further  
10 comprising a setting step of setting the hierarchical order of the plurality of pieces of integrated division information on the basis of division counts of the integrated division information.

14. The method according to claim 13, wherein the  
15 setting step includes a step of setting integrated division information with a smaller division count to have a higher hierarchical order.

15. The method according to claim 12, wherein the hierarchical order of the plurality of pieces of  
20 integrated division information is set according to a hierarchical order which is set in advance for respective item groups.

16. The method according to claim 12, further comprising a designation step of designating the  
25 hierarchical order of the plurality of pieces of integrated division information.

17. The method according to claim 12, further comprising:

a holding step of generating and holding representative images which represent respective intervals of a moving image that are specified by integrated division information of respective layers obtained in the hierarchization step; and

a display step of displaying, when one interval of one layer is designated, representative images of intervals included in the designated interval in a layer lower than that layer.

18. The method according to claim 17, further comprising an execution step of executing a predetermined process for an interval of a moving image, which corresponds to a representative image selected from the representative images displayed in the display step.

19. The method according to claim 12, further comprising a storage step of storing the integrated division information obtained in the hierarchization step in a storage medium in correspondence with the moving image data.

20. The method according to claim 12, wherein the item group includes one of an environment upon sensing an image, a sensed subject, a subject size upon sensing an image, and an effect applied to a moving image.

21. A moving image processing apparatus for processing moving image data for which a plurality of pieces of division information required to divide a moving image on the basis of each of a plurality of items of data which indicate states upon sensing the moving image, so as to be able to be read out for each item, comprising:

generation unit adapted to define an item group formed of one or a plurality of items selected from the plurality of items, and generating integrated division information corresponding to the item group by integrating one or a plurality of pieces of division information corresponding to the items which belong to the item group;

hierarchization unit adapted to add division positions based on integrated division information of an upper layer to division positions of integrated division information of a lower layer in accordance with a hierarchical order of a plurality of pieces of integrated division information, which are generated by said generation unit in correspondence with a plurality of different item groups; and

holding unit adapted to hold the integrated division information obtained by said hierarchization unit in correspondence with the moving image data.

22. A computer readable recording medium recording a control program which makes a computer execute a moving image processing method of claim 12.

23. A control program for making a computer execute a  
5 moving image processing method of claim 12.